

Metal Workers' Brushes



UNITED SHOE MACHINERY CORPORATION,
211- North 18th Street,
PHILADELPHIA, PA.
S. A. FELTON & SON CO.
MANCHESTER, NEW HAMPSHIRE

METAL WORKERS' BRUSHES

CATALOG 130



FOR
FACTORIES
FOUNDRIES

PLATING SHOPS

ENAMELING PLANTS

UNITED SHOE MACHINERY CORPORATION,

211- North 13th Street,

PHILADELPHIA, PA.

S. A. FELTON & SON Co.

MANCHESTER, NEW HAMPSHIRE

CHICAGO OFFICE
500 SO. FRANKLIN ST.

Catalog No. 130
September, 1934
S. A. FELTON & SON CO.

THE COMPANY

The S. A. Felton & Son Company is the oldest and largest company in the world devoted exclusively to the manufacture of industrial hand and power brushes. This company was the pioneer in the manufacture of power or wheel brushes for the textile, leather and metal finishing trades. Among our customers there are many who have used Felton Made Brushes continually since the inception of the Company, more than fifty years ago.

Thorough and careful workmanship combined with accumulated experience and unequaled manufacturing facilities have made the S. A. Felton & Son Company an authority on brush problems. A corps of expert brush makers is constantly in search of better materials and improved manufacturing methods, and thoroughly trained representatives are in touch with the industrial users, aiding in solving their problems and making the research work of value to them as well as to the Company.

As large direct importers of brush materials, we are offered and can choose selected stocks at a saving to our customers; as the largest industrial brush manufacturers with wood working plant, machine shop, automatic machinery and skilled workmen, we can assure the user of long wearing quality brushes; as authorities on brush adaptation we can give our customers expert advice on their problems. These combine to make for scientific brush service at minimum cost.



METAL WORKERS' BRUSHES

In this catalog we give descriptions and proportionate prices of brushes commonly used by the metal workers including foundry, plating shop and enameling plant brushes. These have been selected from the thousands of brushes which we manufacture. If you do not find the brush you want in this booklet, please write to us.

Prices and Quotations

The price lists given in this book are for your convenience in determining relative values of similar brushes and while they are purposely made high are subject to change without notice. We will be glad to quote net prices on any brush which you may select or on others not listed, subject to acceptance within a reasonable length of time. Or you may send us your orders unpriced and the brushes will be billed to you at the prices prevailing at the time of shipment for the quantity ordered.

Special Brushes

We have always been known as "brush specialists" and want you to feel at liberty to write us at any time, concerning metal finishing or brush problems. We have accumulated knowledge and experience which has often proved of great value to our customers.

Numbers

In this catalog you will find "code numbers" or descriptive catalog numbers that will be of assistance in ordering.

During the course of a lifetime of manufacturing we have adopted many improvements and numbers were added and changed to distinguish between the new types and the old. Resulting factory numbers of brushes have been found somewhat confusing because they appear to have no sequence or order when arranged in a table according to size. The new code numbers are descriptive, easy to remember, and will be found useful in telegraphing orders.

Be sure to give the size of wire you wish in wire wheels because the catalog numbers do not refer to specific wire sizes but leave this to your choice. Each table of wheels shows the wire sizes most commonly used.

Ordering

When sending us your orders, you will greatly assist in speeding up shipment and avoiding the possibility of error by giving numbers and complete description of the brushes wanted. When ordering wheels, specify number, diameter, width of face or number of rows, kind of brush stock (brass, steel, tampico, black bristle, etc.) and the size of arbor hole.

Terms

All quotations are based on prices, f.o.b. Manchester, N. H., freight allowed on shipments of 100 lbs. or over. Our terms are 2% for cash in ten days, thirty days net, to companies of established and recognized rating.

WIRE SIZES

As a micrometer is available in nearly every manufacturing plant, we show all wire sizes in this catalog in decimals of an inch and we believe this method will be found less confusing than the use of gauges. Just how confusing wire gauge numbers can be, is well illustrated by the fact that number 33 in four different but quite well known gauges represents .0118, .008, .0071 and .0100 sizes of wire. No table of gauges includes all of the sizes of wire used by brush manufacturers but some of the brush makers are using the Washburn and Moen gauge in listing their coarser wire wheels and sections. For your convenience we give a portion of the Washburn and Moen table for round steel wire.

W. & M. Gauge No.	Decimals of an inch	W. & M. Gauge No.	Decimals of an inch	W. & M. Gauge No.	Decimals of an inch
17	.0540	25	.0204	33	.0118
18	.0475	26	.0181	34	.0104
19	.0410	27	.0173	35	.0095
20	.0348	28	.0162	36	.0090
21	.0317	29	.0150	37	.0085
22	.0286	30	.0140	38	.0080
23	.0258	31	.0132	39	.0075
24	.0230	32	.0128	40	.0070

Please specify the size of wire wanted—preferably by decimals—when ordering wire wheels or sections.



QUINBY WIRE WHEELS

Steel—Brass—Nickel Silver

The Quinby patented solid filled wheels are well known to all the metal working trades and their value in heavy duty high speed production is well established. There is no other wheel that offers the flexibility of construction which makes possible the fine gradations of density, variations in kind and size of wire, wheel diameter, length of trim, hub size, width of face and type of flanges or sides. Forty years of continuous growth and extension of application attest the correctness and value of Quinby construction.

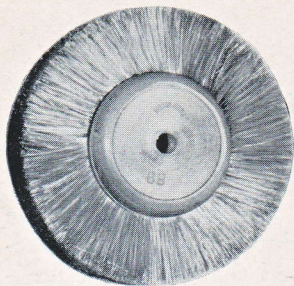
Quinby wheels have a continuous sweeping action and natural cushion effect that is not obtainable in other types. The construction of the wheel is such that the wire is not bent sharply and whipped, but springs in long arcs with each wire supporting the next like a multiple-leaved spring and minimizing the tendency to crystallize and break.

The first Quinby wheels were all made with wood flanges, but now also are made with leatherboard and sheet metal flanges, the last being used on the heavier wire brushes as listed on page 10. The leatherboard flanges can be recommended on the usual scratch brush sizes except where the brush is run wet, and this type is preferred by many because the thickness of the hub is less than for the same size wood flanged wheels. For some silverware fine brushing work, Quinby wheels can be made with lead hubs and flanges. (See index.)

The complete list of Quinby wheels now numbers several thousand different brushes. To assist you in the selection of the proper wheel for the work to be done and to avoid confusion we are listing in this book only the more popular ones and have divided these into groups that are self-explanatory. On the two following pages will be found the steel, brass and nickel silver Quinby wheels of sizes in greatest demand. Because others are peculiarly adapted to special classes of work they will be found distributed to other parts of this catalog. Remember that Quinby wheels are made in every practical size and from every kind of brush material. We will be very glad to have you write us concerning any brush problem.



QUINBY STEEL WIRE WHEELS



On this page are listed Quinby steel wire wheels of the commonly used wire sizes. The first two tables give wheels with wood and with leatherboard flanges respectively. The steel wire which we use is the best obtainable for scratch brushes of this type.

The third table contains a list of wheels made from a special hard temper wire which can only be used successfully in the Quinby type of construction. In this last table the type of flange used is specified for each wheel.

Most of these wheels are made with crimped wire as noted after wire size. Either crimped or straight wire can be furnished.

Quinby Steel Wire Wheels with Wood Flanges

Catalog No.	Factory No.	Diam. of wheel	No. of Rows	Size of Wire	Diam. of Flanges	Largest Arbor Hole	Price Per Doz.
QS-302	421	3	2	.0035 Cr.	1 $\frac{1}{4}$ "	Taper	\$9.15
QS-303	111	3	3	.0035 Cr.	1 $\frac{1}{4}$ "	Taper	10.95
QS-304	112	3	4	.0035 Cr.	1 $\frac{1}{4}$ "	Taper	12.75
QS-403	113	4	3	.0045 Cr.	1 $\frac{3}{4}$ "	Taper	12.75
QS-403	436	4	3	.004 Cr.	2"	$\frac{3}{4}$ "	12.55
QS-404	114	4	4	.004 Cr.	1 $\frac{3}{4}$ "	Taper	14.00
QS-504	294	5	4	.0045 Cr.	2 $\frac{1}{2}$ "	1"	23.35
QS-601	1796	6	1	.0055 Str.	3"	1 $\frac{1}{4}$ "	13.50

Quinby Steel Wire Wheels with Leatherboard Flanges

Catalog No.	Factory No.	Diam. of wheel	No. of Rows	Size of Wire	Diam. of Flanges	Largest Arbor Hole	Price Per Doz.
QSL-3206	1982	3 $\frac{1}{4}$ "	6	.003 Cr.	1 $\frac{1}{4}$ "	Taper	\$16.35
QSL-401	752	4	1	.004 Cr.	1 $\frac{1}{2}$ "	Taper	6.50
QSL-404	1389	4	4	.0035 Cr.	2"	$\frac{1}{2}$ "	17.60
QSL-4506	1751	4 $\frac{1}{2}$ "	6	.004 Cr.	1 $\frac{1}{2}$ "	Taper	22.60
QSL-504	1413	5	4	.003 Str.	2"	$\frac{1}{2}$ "	22.45
QSL-5501	1141	5 $\frac{1}{2}$ "	1	.0055 Cr.	2 $\frac{1}{2}$ "	$\frac{3}{4}$ "	9.95
QSL-5502	1115	5 $\frac{1}{2}$ "	2	.0055 Cr.	2 $\frac{1}{2}$ "	$\frac{3}{4}$ "	12.85
QSL-602	626	6	2	.004 Cr.	3"	1 $\frac{1}{4}$ "	15.55
QSL-603	1649	6	3	.004 Cr.	3"	1 $\frac{1}{4}$ "	18.50
QSL-604	627	6	4	.004 Cr.	3"	1 $\frac{1}{4}$ "	22.70
QSL-604	2339	6	4	.0035 Cr.	3"	1 $\frac{1}{4}$ "	31.65
QSL-604	2292	6	4	.0055 Cr.	2 $\frac{1}{2}$ "	1"	25.00
QSL-605	1693	6	5	.0045 Cr.	3"	1 $\frac{1}{4}$ "	33.65
QSL-806	1742	8	6	.004 Cr.	4"	1 $\frac{1}{2}$ "	58.00
QSL-808	1728	8	8	.004 Cr.	4"	1 $\frac{1}{2}$ "	75.95

Quinby Treated Steel Wire Wheels

For certain classes of work these wheels made of highly treated steel wire have proven so successful that No. 68 Quinby wheel is probably the largest selling single wheel on the market.

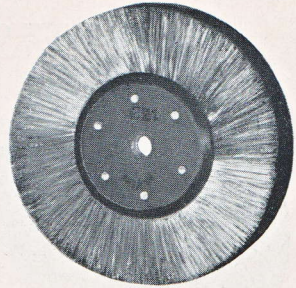
Catalog No.	Factory No.	Dia. of wheel	No. of Rows	Size of Wire	Diameter and Kind of Flange	Largest Arbor Hole	Price Per Doz.
QXL-303	1327	3"	3	.0055 Cr.	1 $\frac{1}{4}$ " Leatherb'd	Taper	\$17.35
QX-404	1011	4"	4	.0055 Str.	1 $\frac{3}{4}$ " Wood	$\frac{1}{2}$ "	26.65
QX-504	87	5"	4	.0055 Str.	2 $\frac{1}{2}$ " Wood	1"	40.95
QX-602	156	6"	2	.0055 Str.	3" Wood	1 $\frac{1}{4}$ "	34.20
QX-603	160	6"	3	.0055 Str.	3" Wood	1 $\frac{1}{4}$ "	28.35
QX-604	68	6"	4	.0055 Str.	3" Wood	1 $\frac{1}{4}$ "	51.25
QXL-803	178	8"	3	.0055 Str.	4" Leatherb'd	1 $\frac{1}{2}$ "	65.75
QXL-804	176	8"	4	.0055 Str.	4" Leatherb'd	1 $\frac{1}{2}$ "	76.65
QXM-804	1879	8"	4	.0055 Str.	4" Metal	1 $\frac{1}{2}$ "	79.15
QXL-806	420	8"	6	.0055 Str.	4" Leatherb'd	1 $\frac{1}{2}$ "	91.80

Please specify size of wire and size of arbor hole wanted.

QUINBY BRASS AND NICKEL SILVER WIRE WHEELS

The Quinby brass wire wheels like the steel wheels listed on the preceding page are made with wood or with leatherboard sides. Brass wheels being used almost exclusively for finishing, the leatherboard type made from crimped wire has become the more popular except where the wheel is to run wet.

The following lists contain the more popular sizes of Quinby scratch brushes where ordinary sizes of wire are required. For special fine brass wire wheels see index.



Quinby Brass Wire Wheels with Leatherboard Flanges

The wheels in this list are all made from crimped wire except where noted after wire size. Straight wire will be supplied if requested.

Catalog No.	Factory No.	Diam. of wheel	No. of Rows	Size of Wire	Diam. of Flanges	Largest Arbor Hole	Price Per Doz.
QBL-304	1233	3	4	.003 Cr.	1 1/4"	Taper	\$11.60
QBL-403	1092	4	3	.0035 Cr.	2"	1/2"	20.60
QBL-404	472	4	4	.004 Cr.	1 1/2"	Taper	17.10
QBL-504	957	5	4	.0035 Cr.	2"	1/2"	28.70
QBL-602	1153	6	2	.0035 Cr.	2"	1/2"	13.90
QBL-603	1079	6	3	.004 Cr.	3"	1 1/4"	18.40
QBL-604	*497	6	4	.004 Cr.	3"	1 1/4"	29.70
QBL-604	*542	6	4	.004 Cr.	3"	1 1/4"	27.50
QBL-605	1075	6	5	.004 Cr.	3"	1 1/4"	30.10
QBL-606	1076	6	6	.0045 Cr.	2 1/2"	3/4"	44.85
QBL-804	617	8	4	.0065 Str.	3"	1"	37.55
QBL-804	410	8	4	.005 Str.	4"	1 1/2"	43.60
QBL-806	936	8	6	.005 Str.	4"	1 1/2"	60.90

*Number 497 is more compact than No. 542.

Quinby Brass Wire Wheels with Wood Flanges

The following list of Quinby brass wire wheels with wood sides or flanges are made from straight brass wire. If crimped wire is preferred, please specify.

Catalog No.	Factory No.	Diam. of wheel	No. of Rows	Size of Wire	Diam. of Flanges	Largest Arbor Hole	Price Per Doz.
QB-302	168	3	2	.0035	1 1/4"	Taper	\$8.64
QB-303	169	3	3	.0035	1 1/4"	Taper	11.45
QB-402	173	4	2	.0035	1 1/2"	Taper	10.00
QB-402	562	4	2	.004	1 1/2"	Taper	9.40
QB-404	172	4	4	.004	1 3/4"	Taper	17.40
QB-503	176	5	3	.004	2 1/2"	1"	18.75
QB-504	177	5	4	.0035	2 1/2"	1"	19.50
QB-602	235	6	2	.0045	3"	1 1/4"	16.05
QB-603	240	6	3	.0045	3"	1 1/4"	23.10
QB-604	152	6	4	.0045	3"	1 1/4"	30.00

Please specify size of wire and size of arbor hole on your order.

Quinby Nickel Silver Wire Wheels

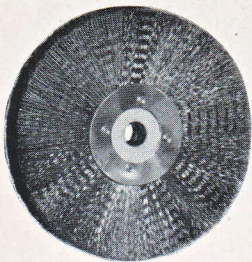
We manufacture the Quinby wheel of nickel silver wire in all sizes and will be glad to quote on any type or size. The following list contains a few of the numbers made from sizes of wire corresponding to the brass listed above. For finer wire wheels see index.

Catalog No.	Factory No.	Dia. of wheel	No. of Rows	Size of Wire	Diameter and Kind of Flange	Largest Arbor Hole	Price Per Doz.
QNL-404	1216	4	4	.003 Cr.	1 1/2" Leatherb'd	Taper	\$22.00
QNL-404	1087	4	4	.004 Str.	2" Leatherb'd	1/2"	21.00
QNL-404	968	4	4	.004 Cr.	1 1/2" Wood	Taper	23.00
QNL-504	995	5	4	.003 Cr.	2 1/2" Leatherb'd	3/4"	27.15
QNL-603	1186	6	3	.003 Str.	2" Leatherb'd	1/2"	33.00
QNL-604	1215	6	4	.004 Cr.	2 1/2" Leatherb'd	3/4"	35.00



QUINBY COARSE STEEL WIRE WHEELS

With Metal Flanges



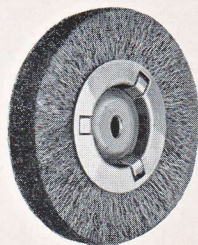
That the Quinby type of construction is adaptable to a wide variation of wire sizes is well demonstrated by comparing the following table of heavy steel wire wheels with the fine wire wheels listed elsewhere. The Quinby wheels selected for the following table are representative of such varied uses as tire roughing, flexible shaft casting cleaning, soft metal gate grinding, wire stripping, etc. Felton service solved production problems with these wheels.

When ordering please give size of wire and size of arbor hole.

Catalog Number	Factory Number	Diam. of Wheel	No. of Rows	Usual Size of Wire	Diameter of Side Plates	Largest Arbor Hole	Price per Doz.
QSM- 306	2030	3	6	.0115 Cr.	2	1/2"	\$26.75
QSM- 402	2415	4	2	.010	2	1/2"	16.50
QSM- 406	2370	4	6	.0115 Cr.	2	1/2"	26.75
QSM- 502	2416	5	2	.010	2	1/2"	23.00
QSM- 605	285	6	5	.019 Str.	4	1 1/4"	42.25
QSM- 607	860	6	7	.019 Str.	4	1 1/4"	60.35
QSM- 804	447	8	4	.0115 Cr.	4	1 1/4"	47.35
QSM-1004	381	10	4	.0115 Cr.	4	1 1/4"	55.85
QSM-1006	1172	10	6	.007 Cr.	5	1 1/2"	62.00
QSM-1006	1178	10	6	.0115 Cr.	5	1 1/2"	60.50
QSM-1204	1446	12	4	.0115 Cr.	6	2"	63.00
QSM-1506	1735	15	6	.014 Cr.	6	2"	94.85
QSM-1506	286	15	6	.015 Cr.	6	2"	94.85

Small Coarse Wire Sectional Wheels

The hub flanges on this wheel are refillable and a new refill may be inserted when the brush part is worn out. The hub flanges hold the wires in a solid mass making the brush more effective and at the same time increasing its life as vibration which tends to break out the wires is practically eliminated.



LIST PRICE				REFILLS ONLY		HUBS ONLY	
No.	Diameter	No. Sees.	Face Width	Wire Size	List per Doz. Sets	List per Pair	
674	4"	3	1"	.0118	\$14.00		\$0.50
664	4"	4	1 1/4"	.0118	17.50		.50
665	5"	3	1"	.0118	18.50		.50
614	6"	4	1 1/4"	.0118	20.60		.50
516	8"	4	1 3/8"	.0118	26.50		.50

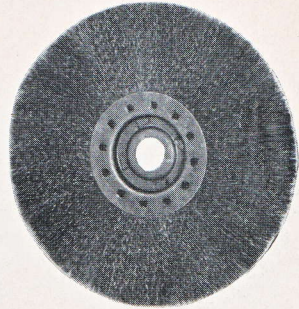
Drill Chuck Adapter



This inexpensive yet efficient adapter is used with the small wheels listed above for mounting the wheels in a drill chuck instead of on the standard arbor. List price, each \$0.50

“Q” SECTIONS—STEEL WIRE

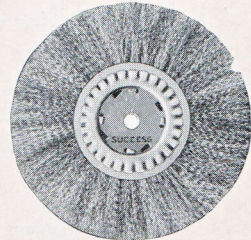
The Felton “Q” Sections are the heavy duty sections of the steel wire class. Some of the characteristics of the Quinby type of construction have been applied to this steel wire section to give it long and dependable service. Because of its sturdiness of construction it is more popular in the larger sizes listed below. The table gives the diameter and wire sizes most commonly called for. Packed in sets or in bulk.



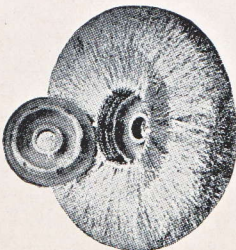
No.	Diameter	Size of Wire	Side Plate Diameter	Sections Per Set	Price Per Doz. Sets	Price in Bulk
						Per 100 Sections
1-Q	15"	.0118	5"	6	\$84.00	\$115.00
6-Q	15"	.0095	5"	6	96.25	132.00
8-Q	12"	.0118	5"	5	64.05	105.00
2-Q	12"	.0104	5"	5	64.05	105.00
27-Q	10"	.0104	5"	5	59.70	98.00
3-Q	10"	.0095	5"	5	59.70	98.00
34-Q	8"	.0095	3"	4	31.15	63.00
26-Q	6"	.0095	3"	4	25.30	51.00

“Success” Steel Wire Sections

We have sold these sections for many years and they have proven very satisfactory wherever the standard weight section is used. They consist of twisted in wire and welded rings, similar to the Superior refills described below, but mounted individually between steel face plates.



No.	Diameter Inches	Size of Wire	Diameter of Side Plates	Price
				Per 100
70	15	.0118	6"	\$96.00
71	12	.0104	5 1/4"	82.70
72	10	.0095	5 1/4"	73.35
73	8	.0090	3 1/2"	57.35
75	6	.0090	3 1/2"	45.35



“Superior” Steel Wire Refills for “Economy”, “Peerless” and “Interlocking” Hubs

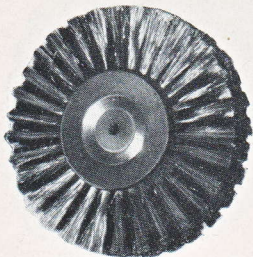
These sections are designed to fit the above mentioned hubs and are listed here for the convenience of those who have invested in hubs and would like to continue their use at reasonable cost.

Packed in Sets or in Bulk.

No.	Diameter	No. Sections Per Set	Gauge of Wire	List Price
				Per Set
21-S	15"	6	.0118	\$8.60
33-S	12"	5	.0104	6.40
42-S	10"	5	.0095	5.50
51-S	8"	4	.0090	3.80
61-S	6"	4	.0090	3.00



WIREDRAWN WIRE WHEELS



The brush materials, whether Brass, Steel or Nickel Silver, are carefully selected for quality and durability with just the right amount of flexibility and resilience to withstand the constant vibration and bending to which all wheel brushes are subjected. The hubs are made from seasoned hardwood and the hubs of wire wheels are lead filled, a process which adds strength to the block and the drawing wire, minimizing the hazard of loosening a row should some piece

of work catch a tuft.

Please give the following description of brush wanted: Outside diameter, number of rows, the kind of brush stock (brass, steel, etc.), and size of arbor hole. If for use on taper spindle, please mention this. Each row is about $\frac{1}{4}$ " face.

Brass and Steel

The sizes of wire given in the table represent standard practice. If finer or coarser wire is wanted for special jobs, be sure to state size on your order. Straight wire is always furnished in wiredrawn wheels unless crimped is specified; if you are uncertain which would be best, tell us the kind of material to be scratch brushed and the results desired.

No.	Brush Diameter	No. of Rows	Size of Wire	Block Diameter	Largest Permissible Arbor Hole	LIST PRICE PER DOZ.	
						Brass	Steel
301	3"	1	.003	1"	Taper or $\frac{3}{8}$ "	\$3.42	\$3.42
302	3"	2	.003	1"	Taper or $\frac{3}{8}$ "	5.40	5.40
303	3"	3	.003	1"	Taper or $\frac{3}{8}$ "	7.74	7.74
304	3"	4	.003	1"	Taper or $\frac{3}{8}$ "	10.08	10.08
401	4"	1	.003	1 $\frac{1}{2}$ "	$\frac{5}{8}$ "	4.50	4.32
402	4"	2	.003	1 $\frac{1}{2}$ "	$\frac{5}{8}$ "	7.56	7.38
403	4"	3	.003	1 $\frac{1}{2}$ "	$\frac{5}{8}$ "	10.80	10.44
404	4"	4	.003	1 $\frac{1}{2}$ "	$\frac{5}{8}$ "	14.40	13.85
503	5"	3	.004	2"	$\frac{3}{4}$ "	13.50	12.95
504	5"	4	.004	2"	$\frac{3}{4}$ "	17.65	17.10
602	6"	2	.004	3"	1"	12.45	11.52
603	6"	3	.004	3"	1"	18.45	16.92
604	6"	4	.004	3"	1"	23.85	22.05
606	6"	6	.004	3"	1"	36.20	33.50
804	8"	4	.005	4"	1 $\frac{1}{4}$ "	36.00	34.20
806	8"	6	.005	4"	1 $\frac{1}{4}$ "	52.20	50.40
1004	10"	4	.005	6"	1 $\frac{1}{2}$ "	55.80	52.20
1006	10"	6	.005	6"	1 $\frac{1}{2}$ "	76.50	72.00

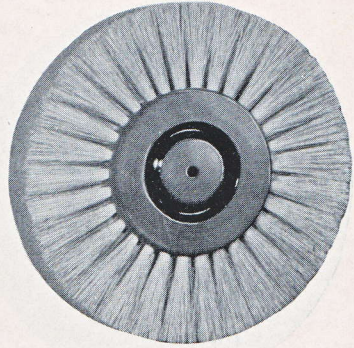
Nickel Silver

Nickel silver wire scratch brushes can be supplied in any of the above sizes. Write for quotations.

WIREDRAWN TAMPICO WHEELS

Our Tampico wheels can be furnished with white brush stock or the grey, which is sometimes referred to in the shop as "mixed Tampico." We will ship white Tampico unless grey is specified. The general construction of these wheels is the same as the wire wheels listed on page 12 and the same care is used in the selection of material and in workmanship.

For estimating the width of face for any of the Tampico wheels listed in the following table, figure one-quarter inch per row.



No.	Brush Diameter	Number of Rows	Block Diameter	Largest Permissible Hole	Price Per Doz.
404T	4"	4	1½"	5/8"	\$6.30
602T	6"	2	3"	1"	5.04
603T	6"	3	3"	1"	7.02
604T	6"	4	3"	1"	9.00
606T	6"	6	3"	1"	13.05
804T	8"	4	4"	1¼"	10.80
806T	8"	6	4"	1¼"	15.66
808T	8"	8	4"	1¼"	21.00
1004T	10"	4	6"	1½"	24.30
1006T	10"	6	6"	1½"	31.50
1008T	10"	8	6"	1½"	38.75
1204T	12"	4	8"	2"	34.20
1206T	12"	6	8"	2"	42.15
1208T	12"	8	8"	2"	54.00

Please specify size of arbor hole required.

Bristle Wheels

We can supply any type and size of wiredrawn bristle wheel but present day practice requires very few bristle wheels except in the smaller sizes which will be found elsewhere in this book. (See index.)

Solid Block Tampico Wheels

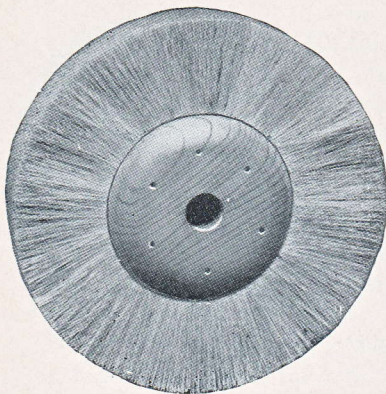
In addition to the wiredrawn wheels listed above we make a number of the smaller size Tampico Wheels on automatic machines. Where there is a sufficient quantity to warrant the automatic machine made brush, this means a big saving to the user. Many of these brushes are special, but the following list selected for this book conform closely to standard sizes and will illustrate the saving to be made where the requirements are large.

Number FU-900 is an extra fine white Tampico brush for silverware manufacturers.

No.	Diameter Inches	Rows Wide	Block Diameter in Inches	Price Per Gross
FU-626	4	3	2	\$38.00
FU-546	4	4	2	48.75
FU-900	4 7/8	4	2	72.00
FU-729	6	4	3	90.00



QUINBY TAMPICO WHEELS



These wheels are of the same general construction as the Quinby steel and brass wire wheels described on pages 7 to 9. They are compactly filled and are furnished with wood or leatherboard flanges or sides. Larger wheels can also be furnished with steel side plates if desired. For many years the Quinby Tampico wheels have been recognized as the best and safest high-speed, heavy duty wheels.

The white tampico wheels are furnished unless other types are specified, although grey tampico (sometimes called "mixed tampico") can be supplied at practically the same cost.

We make thousands of both grey and white stock and leave the choice of color to the operator's preference.

All of the following wheels have wood flanges except factory Nos. 1102 and 480, which have leatherboard flanges.

Quinby White Tampico Wheels

If grey Tampico is preferred, please specify.

New Code No.	Factory No.	Brush Diameter	Rows Wide	Brush Face	Diam. of Hub Flange	Largest Permissible Arbor Hole	List Price
QTL-404	1102	4"	4	1"	1½"	5/8"	\$10.15
QT -602	967	6"	2	½"	2½"	1¼"	8.40
QT -603	1029	6"	3	¾"	3"	1½"	11.70
QTL-604	480	6"	4	1"	2½"	1¼"	14.05
QT -606	787	6"	6	1½"	2½"	1½"	21.75
QT -608	1247	6"	8	2"	3"	2"	27.20
QT -804	140	8"	4	1"	4½"	2"	19.75
QT -806	141	8"	6	1½"	4½"	2"	27.20
QT -808	142	8"	8	2"	4½"	2"	31.55
QT -810	1045	8"	10	2½"	4"	2"	37.45
QT -1004	585	10"	4	1"	5"	2½"	27.20
QT -1006	147	10"	6	1½"	5"	2½"	33.75
QT -1008	148	10"	8	2"	5"	2½"	40.35
QT -1010	909	10"	10	2½"	4"	2"	46.65
QT -1204	149	12"	4	1"	6"	3"	35.40
QT -1205	768	12"	5	1¼"	6"	3"	40.00
QT -1206	150	12"	6	1½"	6"	3"	43.10
QT -1208	151	12"	8	2"	6"	3"	48.75
QT -1210	798	12"	10	2½"	6"	3"	60.00
QT -1406	1088	14"	6	1½"	8"	3"	70.00
QT -1408	174	14"	8	2"	8"	3"	77.50
QT -1408	1125	14"	8	2½"	6¾"	3"	97.50
QT -1410	1203	14"	10	2½"	6¾"	3"	101.50

Please specify size of arbor hole required.

QUINBY TREATED TAMPICO WHEELS

The history of the Quinby Treated Tampico wheels is just another victory for the Felton Research Department and an example of the kind of service we are able to render in solving vexing brush problems. Originally developed for one exacting job, it is now being used to advantage on many others.

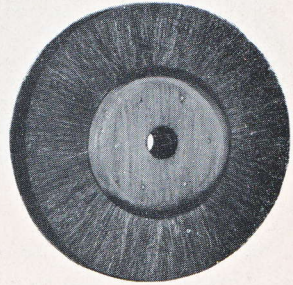
Our exclusive process of treating these wheels requires several weeks during which they are thoroughly impregnated with a formula of our own specifications that is in no way detrimental to metal finishes and has a solid but elastic consistency when dried.

The composition adheres better to this type of wheel. They wear longer and can be used until worn close to the hub.

These are polishing wheels and have all the characteristics of a good polishing wheel plus many other qualities that the polishing room foreman will readily recognize: emery paste adheres better and can be worked right into the wheel; there is more flexibility or cushion; the face can be made to conform to irregular surfaces because it brushes; they do not lose their cutting surfaces or require setting up; and being of the Quinby construction they will operate at polishing speeds. They are the real "greasing" wheels.

Any of the Quinby white or grey Tampico wheels can be supplied in this type at a slightly additional cost over the untreated types, but the following table gives sizes most commonly used and a few of the special sizes we are now manufacturing. The wheels listed below are all made from grey tampico.

In estimating the width of face of any of these wheels, figure one-quarter inch per row except on QO-1107, factory No. 86, which has about a two-inch face.



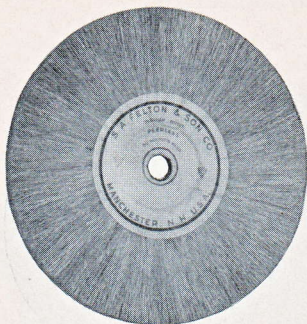
Quinby Treated Grey Tampico Wheels

Catalog No.	Factory No.	Diameter	Rows	Flange Diameter	Price Dozen
QO- 604	53	6"	4	2 1/2"	\$18.45
QO- 607	45	6	7	2 1/2	21.60
QO-7506	75	7 1/2	6	4	27.20
QO- 804		8	4	4	26.25
QO- 806	130	8	6	4	34.60
QO- 808	748 Tr.	8	8	4	41.25
QO-1006	76	10	6	6	42.20
QO-1008	1116 Tr.	10	8	6	49.50
QO-1107	86	11	7	6	60.95
QO-1206	370	12	6	6	51.60
QO-1208	922 Tr.	12	8	6	59.25
QO-1210	99	12	10	6	64.75
QO-1212	1269	12	12	6	70.30

Please specify size of arbor hole required.



PEERLESS TAMPICO SECTIONS



Peerless Tampico sections are used in the metal working trades for two general purposes:

1. For polishing with emery paste, and
2. For producing variations of finish on brass or plated articles, relieving high-lights on antique finishes, etc.

This has resulted in two general styles: the "Old Style" for polishing and the "New Style" for finishing. The "Old Style" section is about $\frac{3}{8}$ " thick at the hub and the Tampico is slightly coarser than the "New Style" which is full $\frac{1}{2}$ " thick. However, except for thickness the average operator does not distinguish between the slight difference in stock, but buys one or the other, often using part for polishing and part for finishing.

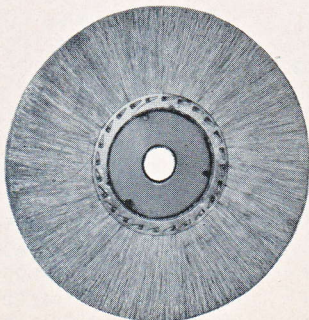
The "Old Style" sections have a full $\frac{3}{8}$ " face per section when compressed between flanges and the "New Style" give a full $\frac{1}{2}$ " face. The thickness of sections given in the tables represent the compressed thickness. Peerless sections are never skimped.

White Tampico Peerless Sections are standard, but red-mixed or grey Tampico can be supplied on special orders.

Old Style $\frac{3}{8}$ inch Thick					New Style $\frac{1}{2}$ inch Thick		
Diam. Inches	Diam. of Core	*Diam. Cover-Disc	Catalog No.	Price Per 100	Catalog No.	Factory No.	Price Per 100
6	1 $\frac{1}{2}$ "	3"	PT- 63	\$35.00	PT- 64	....	\$37.50
8	2 $\frac{1}{2}$ "	4"	PT- 83	42.00	PT- 84	1287	45.00
10	3"	5 $\frac{1}{2}$ "	PT-103	50.00	PT-104	1275	55.00
12	3"	5 $\frac{1}{2}$ "	PT-123	56.00	PT-124	1270	61.65
14	4 $\frac{1}{2}$ "	7 $\frac{1}{2}$ "	PT-143	76.00	PT-144	1272	81.00
16	6"	9"	PT-163	98.00	PT-164	1282	106.00

*The cover-disc covers the core and glue or cement setting and represents the unusable part of the section. Flanges should always be larger than this diameter.

Steel Center Tampico Sections



For finishing processes requiring a Tampico section that must be run wet, we list a steel center type. Each strand of Tampico is doubled about a wire center ring, and presents both ends to the face of the wheel. While this does not permit the best wearing construction for polishing operations, they are highly satisfactory for some finishing work where the wheel is kept in almost constant service until worn out. Each section is about $\frac{3}{8}$ " thick.

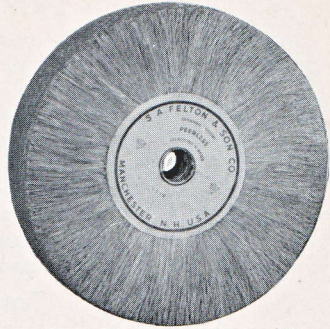
No.	Outer Diam. In.	Side Plate Diam. In.	Price Per 100 Sections
S-755	6	3	\$28.50
S-754	8	3	36.00
S-753	10	4 $\frac{3}{8}$	45.00
S-752	12	5 $\frac{1}{2}$	54.00
S-751	14	5 $\frac{1}{2}$	63.00
S-750	16	5 $\frac{1}{2}$	72.00



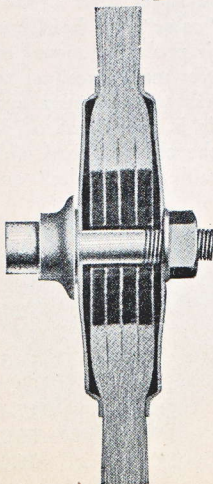
PEERLESS TAMPICO WHEELS

Peerless Tampico Wheels consist of Peerless Tampico Sections securely fastened together, a sufficient number of sections being used to produce the required face. For width of face, we use the thickness of the wheel after being compressed by flanges. In other words, the natural flare of the Tampico is not measured; all Peerless Wheels are full width or slightly over the face dimension given.

Like the Peerless Sections described opposite, the wheels are made in "New Style" and "Old Style". Since there is less work to assemble fewer sections, and since the "New Style" sections are proportionately lower per inch of face, the "New Style" wheels are less expensive. The wheels listed are made from White Tampico sections.



Approx.			OLD STYLE			NEW STYLE		
Diam. Ins.	Width of Face	Diam. Cover Disc	Catalog No.	Factory No.	Per Doz.	Catalog No.	Factory No.	Per Doz.
8	1"	4"	PT- 833	....	\$17.55	PT- 842	1305	\$14.05
8	1 1/4"	4"	PT- 834	....	20.00	....	....	....
8	2 1/8"	4"	PT- 836	1107	32.00	....	....	....
10	1"	5 1/2"	PT-1033	....	24.55	PT-1042	1320	15.80
10	1 1/4"	5 1/2"	PT-1034	1108	28.55	....	....	....
10	1 1/2"	5 1/2"	....	....	....	PT-1043	1289	21.95
10	1 3/4"	5 1/2"	PT-1035	1110	32.30	....	....	....
10	2"	5 1/2"	....	....	....	PT-1044	1299	28.05
10	2 1/2"	5 1/2"	PT-1037	1112	50.90	PT-1045	1292	34.10
12	1 1/2"	5 1/2"	....	....	....	PT-1243	1300	28.05
12	1 3/4"	5 1/2"	PT-1235	1115	42.00	....	....	....
12	2"	5 1/2"	....	....	....	PT-1244	1281	34.10
12	2 1/8"	5 1/2"	PT-1236	1116	49.00	....	....	....
12	2 1/2"	5 1/2"	PT-1237	1117	59.60	PT-1245	1290	43.90
12	3"	5 1/2"	....	....	....	PT-1246	1295	54.40
12	3 1/4"	5 1/2"	PT-1239	1312	70.25	....	....	....
14	1 3/8"	7 1/2"	PT-1434	1118	41.25	....	....	....
14	1 1/2"	7 1/2"	....	....	....	PT-1443	1279	36.90
14	1 3/4"	7 1/2"	PT-1435	1119	50.00	....	....	....
14	2"	7 1/2"	....	....	....	PT-1444	1283	45.60
14	2 1/8"	7 1/2"	PT-1436	1120	59.60	....	....	....
14	2 1/2"	7 1/2"	....	....	....	PT-1445	1293	57.80
14	3"	7 1/2"	....	....	....	PT-1446	1294	69.40



Flanges and Their Use

Flanges serve two purposes: they hold the Tampico compactly producing a better working face and they control the length of the Tampico which may be changed by changing flanges. They aid in producing better work at greater economy. They should be used with every sectional type Tampico Brush no matter whose sections or wheels you are using.

The picture at the left shows how the flanges compress and hold the Tampico, making a better polishing wheel, with an even, hard wearing surface. Flanges should be used until the wheel is worn out, changing size as it wears down.

Peerless flanges are bell-shaped heavy pressed steel.

6" diameter Peerless Flanges, per pair \$3.00

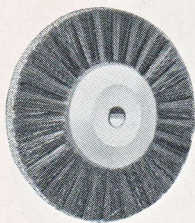
8" diameter Peerless Flanges, per pair 4.00

10" diameter Peerless Flanges, per pair 5.00

Be sure to state Arbor Hole wanted.



JEWELERS' BRISTLE AND SOFT HAIR WHEELS



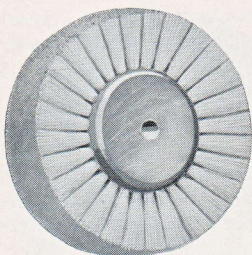
On these opposing pages you will find bristle and wire wheels which are not included in the standard lists of wheels shown elsewhere in this book, because they represent diameters, sizes of wire or kinds of wire, or bristles not adapted to metal workers generally but to the class of soft metal workers, watch makers, jewelers, casket hardware manufacturers, silversmiths, etc. These lists are not intended to be complete tables of the numbers we manufacture but rather the brushes for which we have more frequent and repeated calls. The old saying applies,

"If you don't see what you want, ask for it," and we will be glad to quote.

Jewelers' Bristle Wheels

These wheels can be supplied in several grades of bristle, of which we list three: "B", pure black China bristle; "W", pure white China bristle; "S", extra stiff black China bristle. Specify for example as FU-568-B; FU-568-W or FU-568-S. These are all converging type. If the straight type is wanted, please state this on your order.

No.	Diameter	Rows	Block Diameter	PRICE PER GROSS		
				B.	W.	S.
FU-568	1 1/2"	2	3/4"	\$18.40	\$20.50	\$20.50
FU-614	1 1/2"	3	3/4"	25.70	28.80	28.80
FU-643	1 3/4"	1	3/4"	14.85	15.90	15.90
FU-648	1 3/4"	2	3/4"	19.00	21.10	21.10
FU-642	2"	1	7/8"	21.40	22.75	22.75
FU-647	2"	2	7/8"	25.25	27.90	27.90
FU-578	2 1/4"	1	1"	21.40	22.70	22.70
FU-646	2 1/8"	2	1"	25.25	27.90	27.90
FU-685	2 1/4"	3	1"	34.00	38.20	38.20
FU-641	2 1/2"	1	1 1/4"	21.40	22.90	22.90
FU-566	2 1/2"	2	1 1/4"	23.20	26.15	26.15
FU-682	2 1/2"	3	1 1/4"	38.30	42.80	42.80
FU-651	2 5/8"	3	1 1/4"	39.20	43.70	43.70
FU-654	2 3/4"	4	1 1/4"	43.05	49.00	49.00
FU-640	3"	1	1 1/2"	34.30	36.10	36.10
FU-645	3"	2	1 1/2"	38.50	42.00	42.00
FU-650	3"	3	1 1/2"	43.80	49.00	49.00
FU-695	3 1/4"	4	1 7/8"	55.70	70.50	70.50
FU-652	3 1/2"	4	2"	59.40	74.30	74.30



Fine Hair Buffing Wheels

For refinishing burnished gold and silver after cyanide cleaning and maintaining the high "color" and hard burnished surface, the goat hair wheel is probably unequalled. The mane hair wheels which are stiffer make excellent refinishing wheels for pewter. For those unacquainted with these types of brushes, the goat hair is the softest of all wheels, and replaces and outwears the old-fashioned wick buff. These wheels are also adaptable to "Butler" and oxidized silver finishes.

No.	Diam.	Rows	Kind of Hair	Construction	Block Diam.	Per Doz
FU-608	2"	2	White Goat	Solid Block	7/8"	\$3.00
FU-714	2 7/8"	4	Grey Goat	Solid Block	1 1/4"	5.50
FU-638	3"	4	White Goat	Solid Block	1 1/2"	5.70
FU-664	3 3/4"	4	Stiff Horse Hair	Solid Block	2"	10.20
10632	4"	4	Black Mane	Wiredrawn	1 1/2"	14.30
10869	4"	8	Black Mane	Wiredrawn	1 1/2"	29.00
12211	6"	3	White Mane	Wiredrawn	3"	27.00
12303	6"	6	Grey Goat	Wiredrawn	3"	55.00
12638	6"	6	Blk. Horse Hair	Wiredrawn	3"	36.00

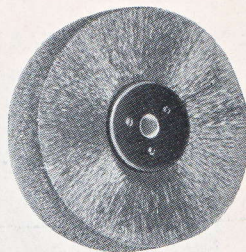


QUINBY FINE WIRE WHEELS

The following Quinby wheels are made of steel and brass wire smaller than the usual scratch brush sizes and are popular for brushing metal color finishes such as gun metal finishes, some of the casket hardware finishes, etc.

While we show the size of wire in these tables, be sure to specify size wanted as the descriptive or catalog number does not include this information. Also tell us size of arbor hole wanted.

In addition to the wheels with leatherboard sides, the Quinby fine wire wheels also include some small lead center long cut wheels that are preferred by many silverplaters because they can be run wet. A few sizes are given in one of the following tables.



Fine Steel Wire							
Catalog No.	Factory No.	Diam. of Wheels	No. of Rows	Size of Wire	Diam. of Leatherb'd Sides	Largest Arbor Hole	Price Per Dozen
QSL-3505	2128	3 1/2"	5	.0025 Cr.	1 1/4"	Taper	\$24.80
QSL-3508	1884	3 1/2"	8	.0025 Cr.	1 1/4"	Taper	35.05
QSL- 404	2361	4"	4	.0025 Cr.	1 1/2"	Taper	22.00
QSL- 404	2407	4"	4	.003 Cr.	1 1/2"	Taper	19.35
QSL- 502	1891	5"	2	.0025 Cr.	2"	1/2"	12.75
QSL- 504	1890	5"	4	.0025 Cr.	2"	1/2"	25.40
QSL- 511	2028	5"	11	.0025 Cr.	2"	Taper	50.25
QSL- 604	2367	6"	4	.003 Cr.	2 1/2"	1"	33.00
QSL- 604	332	6"	4	.0025 Cr.	2"	3/4"	36.00
QSL- 606	702	6"	6	.0025 Cr.	3"	1"	50.40

Fine Brass Wire							
QBL-2703	1272	2 3/4"	3	.0025 Cr.	1 1/4"	Taper	\$13.75
QBL- 401	1281	4"	1	.003 Cr.	1 1/2"	Taper	9.00
QBL- 402	1280	4"	2	.003 Cr.	1 1/2"	Taper	14.00
QBL- 404	1279	4"	4	.003 Cr.	1 1/2"	Taper	18.00
QBL- 504	1008	5"	4	.0025 Cr.	2"	3/4"	27.00
QBL- 602	904	6"	2	.0025 Cr.	3"	1 1/4"	19.25
QBL- 604	1172	6"	4	.0025 Cr.	2"	3/4"	36.00

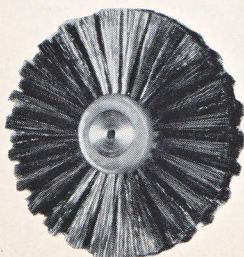
Fine Nickel-Silver Wire							
QNL-3505	1219	3 1/2"	5	.00225 Cr.	1 1/2" Lea.	Taper	\$22.75
QNL-3507	1225	3 1/2"	7	.00225 Cr.	1 1/2" Lea.	Taper	29.25
QN - 404	1143	4"	4	.0025 Cr.	1 1/2" Wd.	Taper	18.40
QNL-4504	1142	4 1/2"	4	.0025 Cr.	2" Lea.	1/2"	23.10
QNL-4508	1224	4 1/2"	8	.0025 Cr.	2" Lea.	1/2"	29.25
QNL-604X	1228	6"	4	.0025 Cr.	2 1/2" Lea.	3/4"	31.75

Quinby Lead Hub Fine Brass Wire Wheels

Catalog No.	Factory No.	Diam. of Wheel	No. of Rows	Size of Wire	Diam. of Lead Flange	Price Per Doz.
QBP- 401	1253	4"	1	.0035 Str.	1 3/8"	\$9.90
QBP- 402	1252	4"	2	.0035 Str.	1 3/8"	14.00
QBP- 403	1251	4"	3	.0035 Str.	1 3/8"	17.25
QBP- 404	1240	4"	4	.0035 Str.	1 3/8"	20.80

Wire Drawn Small Hub Wheels

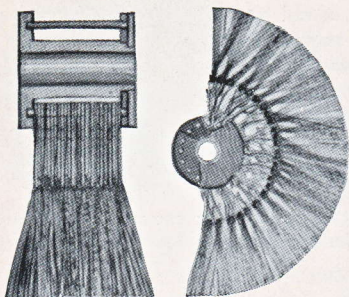
These wheels are much preferred by silverware manufacturers because they do not discolor the white metals. They are more often required in the small sizes, but we can supply any size. For heavier wire wheels see index.



Catalog No.	Diameter	Rows	Hub	Brass or Steel	Nickel Silver
DX -402	4"	2	1 1/4"	\$7.70	\$10.25
DX -404	4"	4	1 1/4"	15.00	17.25
DX -602	6"	2	2"	10.40	11.95
DX -603	6"	3	2"	15.95	18.35
DX -604	6"	4	2"	21.10	24.25
DXX-604	6"	4	2 1/2"	25.30	29.10



YALE TYPE SATIN FINISH BRUSH



This type of brush produces a finish like a very fine sand blast. It gives a true satin finish as opposed to a scratch brush finish. It is filled with steel wire tufts which whip against the work making thousands of small pits and producing the satin appearance.

There are two types; the hanger brush which has the wire tufts

mounted on hooks as shown in the picture and the jewelers packed brush in which the tufts are mounted directly on the pins of the hub. There is less whip to the packed type brush.

Four sizes of wire can be furnished: No. 28 (.016), 30 (.014), 32 (.013), and 36 (.009). W. & M. gauge for coarser or finer work. Some variation of finish can also be obtained by varying the speed at which the brush is run.

Hanger Brush

Size No. 1—8" in diameter, 2" wide, complete, each \$10.50
Size No. 3—7" in diameter, 1 1/4" wide, complete, each 9.60

These brushes will take arbor holes up to 1 1/4" diameter. Be sure to specify size hole wanted.

Jewelers' Packed Brush

Size No. 2—5" in diameter, 1 1/2" wide, complete, each \$9.10
Largest permissible arbor hole 1/2". Specify size wanted.

Extra Tufts and Hooks

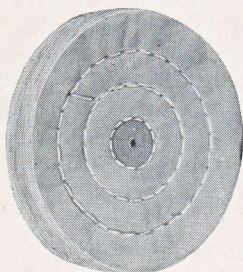
In ordering tufts for refilling above brushes allow 3/4 lb. for the No. 1; 1/2 lb. for the No. 3, and 1/4 lb. for the No. 2 Jewelers. Be sure to specify size of wire or send sample of old wire. Allow 125 to 150 hooks for the No. 1, and 85 to 100 for the No. 3 depending upon how compactly you refill it.

Extra Tufts for refilling, per pound \$1.75
Extra Hooks for hangers, per 10075

Small Buffs for Jewelers and Silversmiths

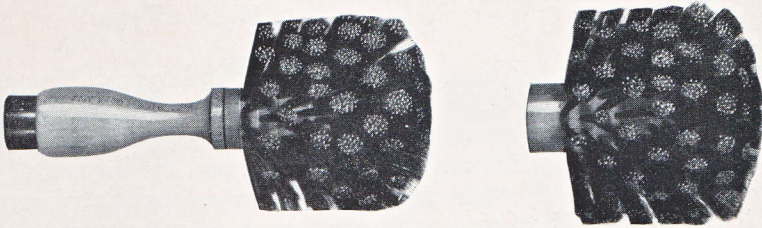
The small buffs listed below are of a fine weave muslin, 80/92 count, and soft Canton flannel, both of better and softer grades than are usually supplied by others. For silver and gold work the better buffs pay for themselves in better finishes.

They are all furnished with 1/4" hard center for use on taper spindles unless the arbor hole is specified on your order. They are machine sewed as listed, but can be supplied "loose" or hand sewed.



Diam.	Ply	MUSLIN		Price Per 100	Ply	CANTON FLANNEL		Price Per 100
		Rows of Sewing				Rows of Sewing		
2	30	1		\$7.65	20	1		\$6.50
2 1/2	30	2		9.85	20	2		9.30
3	35	2		12.95	25	2		14.00
4	42	3		23.90	30	3		23.60
6	50	3		52.75	30	3		47.60
8	55	4		119.75	30	4		78.00

SPECIAL SHAPED BRUSHES



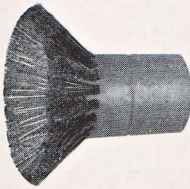
Goblet Brushes—Brass, Steel or Bristle

These Goblet brushes are hand made wiredrawn on well seasoned hardwood blocks with lead centers for taper spindle. In the brass and steel brushes the wire is .003 except in the 4" and 5" diameter, which is .004.

Goblet brushes can be furnished with long or short stem and square or round cut on the stock end. The short stem and rounded end trim are standard and will be shipped on all orders unless otherwise specified.

No.	Diameter	Rows	Brass	PRICE PER DOZEN		Bristle
				Steel		
DG-206	2"	6	\$10.80	\$10.70		\$8.50
DG-257	2½"	7	13.15	13.05		11 25
DG-306	3"	6	14.10	14 00		12.20
DG-308	3"	8	17.85	17.75		12.70
DG-357	3½"	7	18.00	17.90		14.20
DG-358	3½"	8	20.65	20.55		15.00
DG-410	4"	10	27.20	25.35		25.35
DG-510	5"	10	45.00	39.35		41.25

Cup or Watchcase Brushes

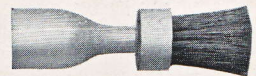


Cup brushes are furnished in .003 brass or steel wire or silversmith's grade of black bristle. There is little or no difference in cost of the kind of stock used and we therefore, give only one list price. Be sure to state which is wanted, brass, steel or bristle.

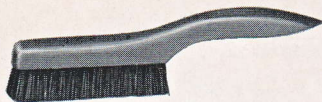
No.	Diameter	Rows	Price	
			Per Dozen	
DC-202	2"	2		\$6.00
DC-203	2"	3		8.55
DC-252	2½"	2		8.40
DC-253	2½"	3		12.15
DC-254	2½"	4		14.50
DC-302	3"	2		8.40
DC-303	3"	3		12.15
DC-304	3"	4		14.50

End Brushes

These end brushes are wiredrawn, well filled with brass, steel or black bristle. Please state kind wanted.



Diam. of Block	Length of Cut	Brass No.	Steel No.	Bristle No.	Price
					Per Doz.
½"	1"	DB- 4	DS- 4	DBB- 4	\$2.50
¾"	1⅛"	DB- 6	DS- 6	DBB- 6	4.00
1"	1⅛"	DB- 8	DS- 8	DBB- 8	4.80
1¼"	1⅛"	DB-10	DS-10	DBB-10	7.50



PLATERS' HAND BRUSHES

Shoe Handle Types

This style handle is less tiring to the workmen and for this reason has become very popular, particularly in the Middle West. The solid back or stapled type is used almost exclusively in all widths of Tampico, bristle and tempered steel wire up to four rows, and for brushes of this material we list only this type although we can supply the wiredrawn type if preferred. The fine wire brushes are made wiredrawn.

The Tampico and bristle brushes have polished hardwood handles and the wire brushes plain sanded blocks $10\frac{1}{2}$ " long by $\frac{5}{8}$ " wide for two-row, and about $1\frac{1}{8}$ " wide for four-row brushes.

The four-row width has become an almost universally adopted standard and will be shipped unless the number of rows is specified.

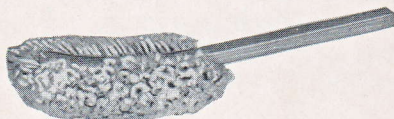
Solid Back Type

Kind	Rows		PRICE PER GROSS		
	Long	Cut	2 Rows Wide	3 Rows Wide	4 Rows Wide
White Tampico	18	$1\frac{1}{8}$ "	\$19.00	\$22.00	\$24.00
Red Mixed Tampico	18	$1\frac{1}{8}$ "	19.00	22.00	24.00
Black China Bristle	18	$1\frac{1}{8}$ "	4 rows only		72.00
Fine Steel, .005 Wire	18	$1\frac{1}{8}$ "	4 rows only		78.00
Fine Brass, .005 Wire	18	$1\frac{1}{8}$ "	4 rows only		78.00
Stiff Steel Wire (Painters' Type)	19	$1\frac{1}{4}$ "	24.30	25.20	31.50

Wiredrawn Type

Kind	Rows		PRICE PER GROSS		
	Long	Cut	2 Rows Wide	3 Rows Wide	4 Rows Wide
Black China Bristle	16	$1\frac{1}{8}$ "	\$3.70	\$4.80	\$6.30
Fine Steel (.005) Wire	16	$1\frac{1}{8}$ "	4.85	6.30	8.10
Fine Brass (.005) Wire	16	$1\frac{1}{8}$ "	4.85	6.30	8.10

Please give full description including number of rows. Four-row brushes shipped unless specified.



Cotton Potash Swabs

Like many other brushes found in this book, the cotton potash swabs are made in different styles (of yarn, widths, brass wire drawn or string drawn, curved or straight handle), but of these numerous brushes, the number 52461 is best adapted to meet the needs of all plating rooms. The other types are not carried in stock but are numbers made in quantity on customers' orders.

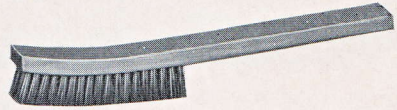
No. 52461—4 row, curved handle, wiredrawn swab of fine white yarn. Per gross	\$45.00
No. 52264—4 row, curved handle, wiredrawn swab of softer and more linty yarn than above. Per gross	45.00
No. 938—4 row, straight handle, wiredrawn. Per gross	45.00
No. 938-X—4 row, straight handle, string drawn. Per gross	45.00
No. 936—2 row, straight handle, wiredrawn. Per gross	40.00

PLATERS' AND JEWELERS' BRUSHES

Curved Handle—Tampico and Bristle



No. 52465



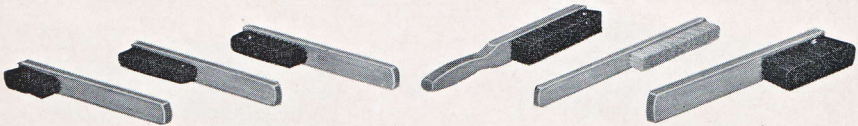
No. 5096

The rounded corners and smooth finished blocks on the "Felton-Made" curved handle Tampico brushes make these as easy to use and in many cases preferable to the shoe handle types because the block is less bulky and does not interfere when used inside of hollow work or in corners. The blocks are straight grained seasoned hardwood, and solid back construction.

No.	Kind	Rows	Cut	Price Per Gr.	Price Per Doz.
50334	White Tampico	2x18	1 1/8"	\$18 00	\$1.80
5096	White Tampico	4x18	1 1/8"	22.50	2.25
5096-R	White Tampico	4x18	1 1/8"	24.00	2.40
	(Finer than No. 5096)				
52465	White Tampico	6x18	1 1/8"	30.00	3.00
	(Shaped Handle)				
FU-601	Black China Bristle	4x18	1 1/8"	54.00	5.40

	2 Rows Wide	3 Rows Wide	4 Rows Wide
Fine Brass, .005 Wire	No. CHB-216	No. CHB-316	No. CHB-416
	\$4.50 dozen	\$5.00 dozen	\$5.50 dozen
Fine Steel, .005 Wire	No. CHS-216	No. CHS-316	No. CHS-416
	\$4.50 dozen	\$5.00 dozen	\$5.50 dozen
Tempered Steel, (Painters' Type), No. 201	No. 201	No. 202	No. 203
	\$2.45 dozen	\$2.55 dozen	\$3.15 dozen

Jewelers' and Silversmiths' Bristle Brushes



FU-701

FU-702

FU-840

FU-699

FU-599

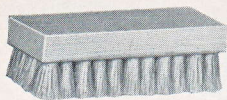
FU-731

The bristle brushes pictured and listed here are designed for the more delicate work and for work requiring unusually small brushes.

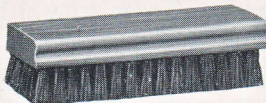
FU-701—Black Bristle, brush part 2 1/4 x 1 1/8", 4 rows by 9 knots, cut 1 1/8", block 8 x 3/4 x 3/8". Price per dozen	\$3.00
FU-702—Black Bristle, brush part 3 1/2 x 3/4", 4 rows by 15 knots, cut 1 1/8", block 8 x 3/4 x 1 3/8". Price per dozen	3.55
FU-840—Black Bristle, brush part 3 3/4 x 1 1/8", 4 rows by 23 knots, cut 3/4", block 8 x 3/4 x 3/8". Price per dozen	6.10
FU-600—Black Bristle, brush part 4 1/2 x 1 1/8", 2 rows by 23 knots, cut 5/8", block 9 1/4 x 1 1/8 x 1/4". Price per dozen	2.85
FU-699—Black Bristle, shaped handle, brush part 5 x 3/4", 4 by 17 knots, cut 7/8", handle 10 1/8 x 7/8 x 1 1/2". Price per dozen	4.50
FU-598—White Bristle, brush part 5 1/4 x 1/2", 4 rows by 32 fine knots very compactly set, cut 5/8". Handle 10 5/8 x 1 1/8 x 1/4". Price per dozen	4.50
FU-599—White Bristle, same size as above but slightly stiffer. Price per dozen	4.50
FU-731—Black soft horsehair jeweler's duster, brush part 4 x 7/8", 4 rows, cut 1 3/8", block 10 x 1 x 3/8". Price per dozen	4.80



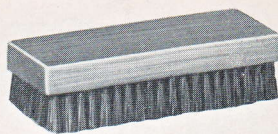
LYE AND SCOURING BRUSHES



6910



4731



FU-619

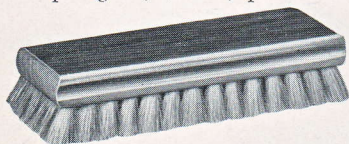
We manufacture an extensive and varied line of lye, scouring, scrubbing and hand finishing brushes. We list a few of the more popular numbers in this book. For the plating trade, we recommend particularly the ones listed under Lye Brushes and invite your attention to the fact that while a lye brush makes a good scrub brush, a floor scrubbing brush does not make a good lye brush. We will gladly make recommendations.

Lye Brushes

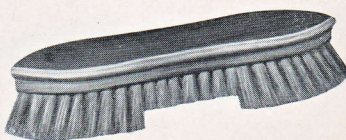
No.	Block	Rows	Stock	Cut	Price Per Gr.
6910	5 $\frac{3}{4}$ x2 $\frac{1}{4}$ "	5x11	White Tampico	1 $\frac{1}{8}$ "	\$22.50
51678	6 x2 $\frac{1}{2}$ "	6x11	White Tampico	1 $\frac{1}{8}$ "	28.50
4731	6 $\frac{3}{4}$ x2 $\frac{3}{8}$ "	6x15	Grey Tampico	1"	36.00
FU-764-T	8 $\frac{1}{4}$ x2 $\frac{3}{8}$ "	5x15	White Tampico	1 $\frac{1}{8}$ "	27.75
51462	8 x2 $\frac{1}{2}$ "	6x15	White Tampico	1 $\frac{1}{2}$ "	40.75
51649	8 $\frac{1}{4}$ x3"	7x18	White Tampico	1 $\frac{1}{4}$ "	43.25

Special Flat Platers

- FU-619—Grey Tampico Solid Block, 6 $\frac{5}{8}$ x2 $\frac{3}{8}$ ", 8x19 rows, set with special non-corrosive staples. Knots are smaller and of greater number than usual, set very close, cut 1 $\frac{1}{8}$ ". A very high grade Tampico brush. Price per gross, \$60.00; per dozen \$6.00
- FU-764-B—Pure Black China Bristle, block 8 $\frac{1}{4}$ x2 $\frac{3}{8}$ ", 5x15 rows, cut 1". For fine hand finishing metals, hand brushing silver deposits or for waxing metal colors such as Verdi Antique, this brush is unsurpassed. Price per gross, \$90.00; per dozen \$9.00



51486



52186

Scouring Brushes

These brushes have the end rows flared. Some of these are often sold as lye brushes and the Tampico ones will be found very satisfactory as such.

No.	Block	Rows	Stock	Cut	Price Per Gr.	Price Per Doz.
51575-W	6 x2 $\frac{3}{4}$ "	5x10	White Tampico	1"	\$22.50	\$2.25
51575	6 x2 $\frac{3}{4}$ "	5x10	Grey Tampico	1"	22.50	2.25
51166	6 x2 $\frac{3}{4}$ "	5x10	Palmetto	1"	27.75	2.80
51486	8 $\frac{1}{4}$ x2 $\frac{3}{4}$ "	5x14	White Tampico	1"	28.50	2.85
51548	8 $\frac{1}{4}$ x2 $\frac{3}{4}$ "	5x14	Grey Tampico	1"	29.80	3.00
51167	8 x2 $\frac{3}{4}$ "	5x14	Palmetto	1"	27.75	2.80

Pointed Scrubs

- 52186—Block 8 $\frac{3}{4}$ x2 $\frac{1}{4}$ ", white Tampico, cut 1 $\frac{1}{8}$ ", center trim, $\frac{3}{4}$ ". Price per gross, \$24.00; per dozen \$2.40
- 52187—Block 10 $\frac{1}{2}$ x2 $\frac{3}{8}$ ", white Tampico, cut 1 $\frac{1}{8}$ ", center trim, $\frac{3}{4}$ ". Price per gross, \$32.35; per dozen \$3.25

BENCH TYPE DUSTERS



4229



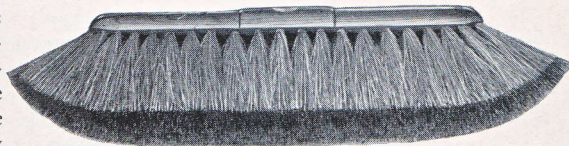
56-23

We manufacture many types with many kinds of stock, but those listed here are best adapted for manufacturing plants. Shellacked handles, except No. 200 which is made in assorted colors of blue, yellow and green.

- No. 200—Soft horsehair, 8" brush part cut, similar in appearance to No. 56-23 pictured above. A good lint or plater's sawdust brush. Price per dozen \$6.00
- No. 56-23—Stiff black horsehair, 8" brush part cut $2\frac{3}{4}$ ". Good dust and filings brush. Price per dozen 8.70
- No. 56-23HT—Stiff black horsehair and Tampico mixed, 8" brush part, cut $2\frac{3}{4}$ ". Machinists' brush for chips and filings. Price per dozen 7.50
- No. 56-23T—All black Tampico, machinists' chip brush, 8" brush part, cut $2\frac{3}{4}$ ". Price per dozen 5.10
- No. 4229—Rough service or heavy duty grey Tampico brush, 9" brush part, cut 2". A low priced and very popular brush. Price per gross 37.50
Per dozen 3.75

Factory Floor Brushes

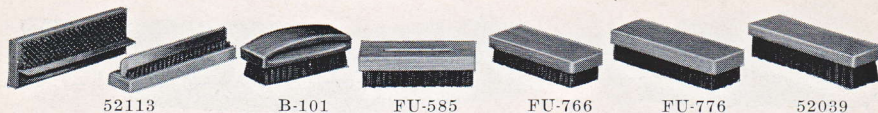
There are so many grades of stock used in floor sweeping brushes that the buyer often finds it difficult to choose the one best adapted. We have selected from our many types five styles well suited for factory use. We will be glad to make recommendations.



- No. 910—All fine quality black horsehair, highly finished block. This brush is for hardwood and composition floors and for use with sweeping compounds. Cut of stock 3 inches. Prices per dozen. Handles included.
- | Size | 12" | 14" | 16" | 18" | 24" |
|----------------------|---------|---------|---------|---------|---------|
| List price per dozen | \$17.85 | \$20.80 | \$23.85 | \$26.70 | \$36.00 |
- No. 929—Mixed horsehair and black Tampico. Better adapted to block floors and where there are light metal chips, emery, sand, etc. Cut $2\frac{3}{4}$ ". Prices per dozen. Handles included.
- | Size | 12" | 14" | 16" | 18" | 24" |
|----------------------|---------|---------|---------|---------|---------|
| List price per dozen | \$13.90 | \$16.30 | \$17.80 | \$19.90 | \$28.90 |
- No. 928—Grey Tampico. A cheaper brush than the No. 929 listed above, and for many purposes just as good. Not as good where there is lint or only dust to be swept. Cut $2\frac{3}{4}$ ".
- | Size | 12" | 14" | 16" | 18" |
|----------------------|--------|---------|---------|---------|
| List price per dozen | \$9.75 | \$10.80 | \$11.65 | \$12.60 |
- No. 268—Black Tampico with horsehair case. This is not much different from No. 929 in its use except that it has a better scouring effect. A good brush for concrete floors. Cut $2\frac{7}{8}$ ". Prices per dozen.
- | Size | 14" | 16" | 18" | 24" |
|----------------------|---------|---------|---------|---------|
| List price per dozen | \$15.30 | \$17.10 | \$18.90 | \$25.65 |
- No. 450—Palmyra Garage Floor Brooms. A heavy duty brush with plain sanded block for removing heavy oil from concrete and brick floors, sweeping up lumber ends, heavier metal chips, porcelain, glass and the like. Cut 4". Price per dozen. Handles included.
- | Size | 18" | 24" |
|----------------------|---------|---------|
| List price per dozen | \$11.70 | \$15.30 |



ENAMELERS' BRUSHES



Enamelers' Edging Brushes

Our Edging Brushes are of the finest stiff black bristle with sanded hardwood block and white nicked steel guides, extending $\frac{3}{4}$ " below block face and fastened to the block by screws. Blocks are easy-to-handle lengths, $6\frac{1}{8}$ " by $\frac{1}{2}$ " thick. The knots or tufts of bristles are full, accurately filled and closely set so that each row covers $\frac{1}{8}$ ". Any width desired can be obtained in multiples of $\frac{1}{8}$ ". We can supply these with $\frac{1}{2}$ " cut ($\frac{1}{2}$ " of bristle out of block) which is our "Regular" or they can be furnished with $\frac{1}{4}$ " cut, our "Special." In ordering, please specify if the shorter trim is wanted, and always state width of brush part wanted.

No. 52113—Complete with Metal Liners

Width	No. of Rows	Width of Block	Price Per Dozen
$\frac{1}{8}$ "	1	$1\frac{1}{2}$ "	\$3.45
$\frac{1}{4}$ "	2	$1\frac{1}{2}$ "	4.90
$\frac{3}{8}$ "	3	$1\frac{1}{2}$ "	5.80
$\frac{1}{2}$ "	4	$1\frac{1}{2}$ "	6.70
$\frac{5}{8}$ "	5	$1\frac{1}{8}$ "	7.60
$\frac{3}{4}$ "	6	$1\frac{3}{8}$ "	8.50
$\frac{7}{8}$ "	7	$1\frac{3}{8}$ "	9.40
1"	8	2"	10.30
$1\frac{1}{8}$ "	9	2"	11.20
$1\frac{1}{4}$ "	10	$2\frac{1}{8}$ "	12.10
$1\frac{3}{8}$ "	11	$2\frac{1}{4}$ "	13.00
$1\frac{1}{2}$ "	12	$2\frac{3}{8}$ "	13.90

Vacuum Brush

For use with vacuum dusting machine. Straight grained hardwood sanded block $4\frac{1}{8}$ x $1\frac{5}{8}$ x $\frac{9}{16}$ " thick with slot through back. Fine grade flexible black bristle cut $\frac{3}{4}$ " out of block. FU-585—price gross, \$108.00.

Hand or Stenciling Brushes

We have selected for this book three of the most popular black bristle hand brushes but remember that we can make any size, kind of stock or length of cut that your work may require.

FU-766—Stiff Black Bristle; brush 7 rows by 20 knots, cut $\frac{1}{8}$ "; block $5\frac{3}{8}$ x $2\frac{1}{8}$ x $\frac{1}{2}$ " thick. Price per gross, \$90.00; per dozen \$9.00

FU-776—Very heavily filled large knot, stiff black bristle; brush 7 rows by 20 knots, cut $\frac{3}{4}$ "; block 6 x $1\frac{1}{8}$ x $\frac{5}{8}$ " thick. Price per gross, \$90.00; dozen 9.00

No. 52039—Large knot black bristle brush, 6 rows by 14 knots, cut 1"; block $6\frac{1}{8}$ x $1\frac{1}{8}$ x $\frac{1}{2}$ " thick. Price per gross, \$90.00; per dozen 9.00

No. B-101—Hand nail brush, fine knot black bristle, cut $\frac{3}{4}$ ", 7x15 rows in polished mahogany block $4\frac{1}{2}$ x 2", rounded top, grooved sides. Price per gross, \$108.00; per dozen 9.75

Wool Duster

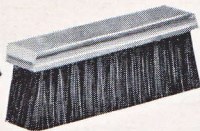
Round Duster made of soft Canadian Wool that will not harm the finest finishes. Length of duster wool 8 inches, short convenient handle 6" long. (This duster is not pictured.) Price per dozen, \$21.60.



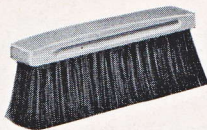
MOULDERS' BRUSHES



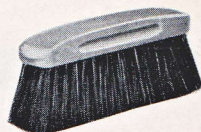
51186



51187



51720



51480

Moulders' Soft or Dusting Brushes

The illustrations show the shapes and relative sizes each of which can be supplied with two or more kinds of stock as described. The "cut" is 3".

They have solid blocks, the horsehair brushes being stapled and the mixed and pure bristle types vulcanized in rubber.

- No. 51186 Style—Four rows, ends slightly flared, solid back, block 9" long, 1 1/8" wide, 1 3/4" thick, grooved sides and tapered slightly.
- | | | |
|-----------------|--|--------|
| No. 51186 | —Black horsehair, dozen | \$8.85 |
| No. 51186MB | —Mixed China bristle and horsehair, dozen | 12.00 |
| No. 51186CB | —China bristle, dozen | 13.00 |
| No. 51186RB | —Pure Russian bristle, dozen | 18.00 |
| No. 51187 Style | —Five rows, block 9 1/2" long, 2 3/8" wide and 7/8" thick, grooved sides. | |
| No. 51187 | —Black horsehair, dozen | 10.75 |
| No. 51187MB | —Mixed China bristle and horsehair, dozen | 15.00 |
| No. 51187CB | —China bristle, dozen | 20.00 |
| No. 51187RB | —Pure Russian bristle, dozen | 28.00 |
| No. 51720 Style | —Five rows, solid back; block 10" long, 2" wide, 7/8" thick, filled with medium stiff black horsehair, dozen | 12.00 |
| No. 51480 Style | —Five rows, block 10" long, 2" wide, 1 1/4" thick, oval ends. | |
| No. 51480 | —Black horsehair, dozen | 14.50 |
| No. 51480MB | —Mixed China bristle and horsehair, dozen | 19.00 |
| No. 51480RB | —Grey Russian bristle, dozen | 22.50 |
| No. 51478 Style | —Four rows, block 9 1/2" long, 1 1/2" wide, 2 1/4" thick. The shape of this brush is like the 51186 style except the block is somewhat heavier, the brush part slightly wider with no flare. | |
| No. 51478 | —Black horsehair, dozen | 11.00 |



51185



51454



51454-X



5390

Moulders' Hard Brushes

Like the moulders' soft brushes, the numbers listed are most popular and best values. They are all solid back blocks of smooth sanded maple.

- No. 51185—Stiff black horsehair and fine black fibre, carefully graded and mixed. Cut, 1 1/8"; block, 8 1/2 x 2 3/8 x 7/8" thick. Price per dozen \$6.75
- No. 51454—Rocker shape. China bristle and fine black fibre. Cut 1 1/8"; block, 8 1/2 x 2 7/8 x 7/8" thick. Price per dozen 8.00
- No. 51454X—Same brush with handle. Price per dozen 11.75
- No. 5390—Rocker shape. All grey horsehair. Cut 1 1/4"; block 8 1/2 x 2 3/8 x 3/4" thick. Knots are slightly smaller than in above brushes but of greater number. Our best hard brush. Price per dozen 12.00



CORE BRUSH—Oval Shape



Style No. 305—Vulcanized in rubber, oval chisel black China bristle, one piece nicked ferrule, plain polished handle.

Size No.	Width	Thickness	Lgth. Out of Ferrule	List Per Dozen
1	$\frac{5}{8}$	$\frac{1}{2}$	$1\frac{5}{8}$	\$3.30
2	$\frac{13}{16}$	$\frac{5}{8}$	$1\frac{3}{4}$	3.60
3	$\frac{15}{16}$	$1\frac{1}{8}$	$1\frac{7}{8}$	4.15
4	1	$\frac{3}{4}$	2	4.80
5	$1\frac{1}{8}$	$\frac{7}{8}$	$2\frac{1}{8}$	5.54
6	$1\frac{1}{8}$	$1\frac{1}{8}$	$2\frac{1}{4}$	6.70
7	$1\frac{3}{8}$	1	$2\frac{3}{8}$	7.50

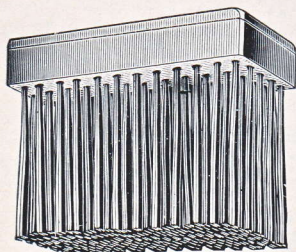
Low Priced Oil and Varnish Brush



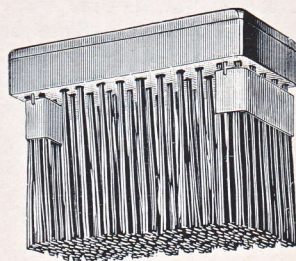
No. 100 Style Varnish, listed here because it makes an excellent machinists' oil brush, is only one of the many styles we manufacture. Low in price, it represents unusual value. It is made of black China bristle vulcanized in rubber, square trim, flat type, nicked lock seam ferrule, red stained handle.

Size No. or Width	Lgth. Out of Ferrule	Per Gross	Per Dozen
1	$1\frac{1}{8}$	\$14.50	\$1.50
$1\frac{1}{2}$	$1\frac{3}{4}$	18.60	1.95
2	$1\frac{3}{4}$	23.50	2.46
$2\frac{1}{2}$	$1\frac{7}{8}$	33.30	3.50
3	2	39.70	4.15

We will be glad to quote on any types of Paint or Varnish brushes.



FOUNDRY OR CASTING BRUSHES



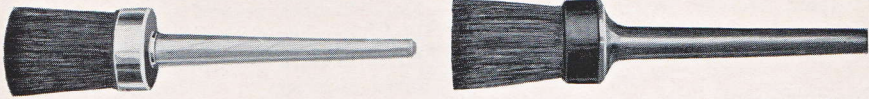
Our Foundry Brushes are all solid hardwood blocks evenly filled, ten wires per hole (5 wires doubled) of tempered flat steel wire .017 x .059.

Catalog No.	Number of Rows	Cut, Inches	Block Size Inches	List Price Per Gross
11S	4x10	3	$7\frac{7}{8} \times 2\frac{1}{4}$	\$48.00
12S	4x10	4	$7\frac{7}{8} \times 2\frac{1}{4}$	57.60
13S	4x10	5	$7\frac{7}{8} \times 2\frac{1}{4}$	63.00
22S	5x10	3	$7\frac{7}{8} \times 2\frac{5}{8}$	57.60
23S	5x10	4	$7\frac{7}{8} \times 2\frac{5}{8}$	64.80
24S	5x10	5	$7\frac{7}{8} \times 2\frac{5}{8}$	73.20

Bridled Type

29S	4x10	4	$7\frac{7}{8} \times 2\frac{1}{4}$	69 60
30S	4x10	5	$7\frac{7}{8} \times 2\frac{1}{4}$	76.80
33S	5x10	4	$7\frac{7}{8} \times 2\frac{5}{8}$	76 80
34S	5x10	5	$7\frac{7}{8} \times 2\frac{5}{8}$	85.20

ROUND GLUE BRUSHES



Made of gray Russian bristle vulcanized in rubber. The Ajax Glue Brush has copper ferrule and the No. 46 is rubber bound. Both have round handle. For years they have been the standard of polishers, cabinet makers and furniture, piano and casket manufacturers.

Size No.	Diameter	Lgth. of Bristle	LIST PRICES	
			Ajax	No. 46
1	1 $\frac{1}{4}$	2 $\frac{1}{2}$	\$12.70	\$14.12
2	1 $\frac{1}{2}$	2 $\frac{5}{8}$	14.94	17.08
3	1 $\frac{3}{4}$	2 $\frac{3}{4}$	17.58	19.76
4	2	2 $\frac{7}{8}$	24.24	26.80
5	2 $\frac{1}{4}$	3	30.00	32.20
6	2 $\frac{1}{2}$	3 $\frac{3}{8}$	38.80	43.44

LACQUER BRUSHES



Fitch Hair

Vulcanized in rubber and hard rubber bound, finest grade fitch hair, chisel edge, for light varnish and lacquer. No. 61 is single thick and the more popular. No. 63 is double thick.

No. 61			No. 63		
Brush Width	Length Out	Price Pr. Dozen	Brush Width	Length Out	Price Pr. Dozen
1 $\frac{1}{2}$ "	1"	\$7.60	1 $\frac{1}{2}$ "	1"	\$8.00
1"	1 $\frac{3}{8}$ "	8.00	1"	1 $\frac{3}{8}$ "	8.50
1 $\frac{1}{2}$ "	1 $\frac{3}{8}$ "	9.80	1 $\frac{1}{2}$ "	1 $\frac{3}{8}$ "	10.50
2"	1 $\frac{1}{2}$ "	12.24	2"	1 $\frac{5}{8}$ "	13.40
2 $\frac{1}{2}$ "	1 $\frac{5}{8}$ "	14.76	2 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	17.00
3"	1 $\frac{7}{8}$ "	19.30	3"	2"	22.28
3 $\frac{1}{2}$ "	1 $\frac{7}{8}$ "	22.60	3 $\frac{1}{2}$ "	2"	27.70

Camel Hair

Vulcanized in rubber and hard rubber bound. No. 68 is the more popular and is also used for dusting delicate surfaces. No. 69 is the same type, but extra thick and longer for balance.

No. 68			No. 69		
Brush Width	Length Out	Price Pr. Dozen	Brush Width	Length Out	Price Pr. Dozen
1 $\frac{1}{2}$ "	1"	\$7.50	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	\$10.80
1"	1 $\frac{1}{4}$ "	8.50	1"	1 $\frac{3}{8}$ "	13.50
1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	11.50	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	18.70
2"	1 $\frac{1}{4}$ "	16.60	2"	1 $\frac{1}{2}$ "	23.80
2 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	20.60	2 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	33.00
3"	1 $\frac{1}{2}$ "	28.60	3"	1 $\frac{3}{4}$ "	44.50
3 $\frac{1}{2}$ "	1 $\frac{5}{8}$ "	36.00	3 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	54.00
4"	1 $\frac{3}{4}$ "	45.00	4"	1 $\frac{7}{8}$ "	

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FELTON MADE
BRUSHES
FOR EVERY
INDUSTRIAL USE

